

Title (en)
PEDAL ASSEMBLY PIEZOELECTRIC GENERATOR

Title (de)
PIEZOELEKTRISCHER GENERATOR FÜR PEDALANORDNUNG

Title (fr)
GÉNÉRATEUR PIÉZOÉLECTRIQUE D'ENSEMBLE PÉDALE

Publication
EP 3516190 A1 20190731 (EN)

Application
EP 17771842 A 20170913

Priority
• GB 201616162 A 20160922
• GB 2017052694 W 20170913

Abstract (en)
[origin: WO2018055337A1] A pedal assembly for generating electrical power in a vehicle is presented. The pedal assembly includes a pedal which mechanically transfers the pressure exerted on the pedal into a linear motion of a shaft. The linear motion of the shaft rotates a cylinder. When the cylinder applies mechanical stress on a piezoelectric transducer, a voltage is generated from the piezoelectric transducer.

IPC 8 full level
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CPC (source: EP GB)
B60K 25/10 (2013.01 - GB); **B60K 26/02** (2013.01 - EP); **B60T 7/04** (2013.01 - GB); **B60T 7/042** (2013.01 - EP); **B60T 8/3255** (2013.01 - EP); **F02D 11/02** (2013.01 - EP); **H02K 7/1876** (2013.01 - EP); **H02N 2/18** (2013.01 - GB); **H10N 30/30** (2023.02 - GB); **B60T 2270/40** (2013.01 - EP); **B60T 2270/82** (2013.01 - EP); **G05G 1/44** (2013.01 - EP)

Citation (search report)
See references of WO 2018055337A1

Designated contracting state (EPC)
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BA ME

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WO 2018055337 A1 20180329; EP 3516190 A1 20190731; EP 3516190 B1 20200729; GB 201616162 D0 20161109; GB 2554374 A 20180404; GB 2554374 B 20211027

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